Bruhat Bangalore Mahanagara Palike
Executive Engineer Yelahanka Division

ıme of Work: Asphalting of roads and Improvements to footpaths at Someshwaranagara, IG 3rd phase and LIGSanitorycore Yelahanka A sector, B sector and Judicial layout in ward no-04 of yelahanka new town sub division(Package No-13)

Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
Civil Work								
Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No-27,I No-5.33)								
Basic rate	105.00							
Area Weightage 6%	6.30							
Total	**111.30**							
	Sqm							
Judicial Layout								
8th Cross Road		2	379.00	0.90		682.20		
15th Main Road		2	140.00	0.90		252.00		
16th Main Road		2	95.00	0.90		171.00		
10th Main Road		2	559.00	0.90		1006.20		
						2111.40		
Deduct 40% missing						844.56		
						1266.84		
Someshwara Nagara								
1st A Cross Road		1	165.00	0.90		148.50		
5th A Cross Road		2	60.00	0.90		108.00		
Sharadhanagara								
7th B Main Road		2	175.00	0.90		315.00		
1st Cross Road		1	75.00	0.90		67.50		
3rd Cross Road		2	108.00	0.90		194.40		
						833.40		
Deduct 50% missing						416.70		
						416.70		
						1683.54	**111.30**	**187378.00**
KSRRB300-1. **Earthwork excavation by manual means** for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.(I.NO 19.1,Page no 143 SR 2018-19)								
Basic Rate	130.00							
Area Weightage 6%	7.80							
Loading and Unloading & Lead,8KM	77.48							
	215.28							
ForRCC DRAIN	**Cum**							
Judicial Layout								
8th Cross Road		2	379.00	1.10	0.90	750.42		
15th Main Road		2	140.00	1.10	0.90	277.20		
16th Main Road		1	95.00	1.10	1.00	104.50		
10th Main Road		2	559.00	1.10	0.90	1106.82		
Someshwara Nagara								
1st A Cross Road		1	165.00	1.10	0.90	163.35		
5th A Cross Road		2	60.00	1.10	0.90	118.80		
Sharadhanagara								

Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
'th B Main Road		2	175.00	1.10	0.90	346.50		
.st Cross Road		1	75.00	1.00	0.90	67.50		
Ird Cross Road		2	108.00	1.00	0.90	194.40		
RCC Culvert		16	7.00	1.40	0.90	141.12		
						3270.61		
Deduct 20% Existing Drain Earthwork						654.12		
						2616.49	**215.28**	**563277.54**

KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18 of PWD BCSR 2018-19)

Basic Rate	5115.00							
4.4*55.47	244.07							
Sub total	5359.07							
6% Area weightage	321.54							
Total	**5680.61**							
	Cum							
ForRCC DRAIN								
Judicial Layout								
8th Cross Road		2	379.00	1.10	0.15	125.07		
15th Main Road		2	140.00	1.10	0.15	46.20		
16th Main Road		1	95.00	1.10	0.15	15.68		
10th Main Road		2	559.00	1.10	0.15	184.47		
Someshwara Nagara								
1st A Cross Road		1	165.00	1.10	0.15	27.23		
5th A Cross Road		2	60.00	1.10	0.15	19.80		
Sharadhanagara								
7th B Main Road		2	175.00	1.10	0.15	57.75		
1st Cross Road		1	75.00	1.10	0.15	12.38		
3rd Cross Road		2	108.00	1.10	0.15	35.64		
RCC Culvert		16	7.00	1.40	0.15	23.52		
For Footpath								
8th Cross Road		2	380.00	2.10	0.125	199.50		
10th Main Road		2	560.00	2.00	0.125	280.00		
For KERB								
Judicial Layout								
8th Cross Road		2	379.00	0.20	0.10	15.16		
15th Main Road		2	140.00	0.20	0.10	5.60		
16th Main Road		1	95.00	0.20	0.10	1.90		
10th Main Road		2	559.00	0.20	0.10	22.36		
For Kerb Stone								
Someshwara Nagara								
1st A Cross Road		1	165.00	0.20	0.10	3.30		
Sharadhanagara								
7th B Main Road		2	175.00	0.20	0.10	7.00		
1st Cross Road		1	75.00	0.20	0.10	1.50		
3rd Cross Road		2	108.00	0.20	0.10	4.32		
						1088.37	**5680.61**	**6182579.37**

Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
KSRRB M2200-6. Providing TMT Bars Fe 500 steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in postion, lapping and/or welding wherever required, design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.(I.NO 28.8.2 Page no 229, SR 2018-19)								
Basic Rate	75610.00							
Area Weightage 6%	4536.60							
	80146.60							
	Tn							
Consider 60kg/cum for drain		1	1081.14		0.06	64.87		
Consider 90kg/cum for culvert		1	57.79		0.09	5.20		
						70.07	**80146.60**	**5615846.62**
Providing and laying plain/reinforced cement concrete for side drains using **M20 nominal mix concrete with OPC at 300 kgs.** With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19)								
Basic rate	6670.00							
6*55.47	332.82	IR,	RA					
Sub total	7002.82							
6% Area weightage	420.17							
Total	**7422.99**							
	Cum							
ForRCC DRAIN RAFT								
Judicial Layout								
8th Cross Road		2	379.00	0.90	0.15	102.33		
15th Main Road		2	140.00	0.90	0.15	37.80		
16th Main Road		1	95.00	0.90	0.15	12.83		
10th Main Road		2	559.00	0.90	0.15	150.93		
Someshwara Nagara								
1st A Cross Road		1	165.00	0.90	0.15	22.28		
5th A Cross Road		2	60.00	0.90	0.15	16.20		
Sharadhanagara								
7th B Main Road		2	192.00	0.90	0.15	51.84		
1st Cross Road		1	75.00	0.90	0.15	10.13		
3rd Cross Road		2	108.00	0.90	0.15	29.16		
ForRCC DRAIN WALL								
Judicial Layout								
8th Cross Road		4	379.00	0.15	0.70	159.18		
15th Main Road		4	140.00	0.15	0.65	54.60		
16th Main Road		2	95.00	0.15	0.65	18.53		
10th Main Road		4	559.00	0.15	0.70	234.78		
Someshwara Nagara								
1st A Cross Road		2	165.00	0.15	0.65	32.18		
5th A Cross Road		4	60.00	0.15	0.65	23.40		
Sharadhanagara								
7th B Main Road		4	175.00	0.15	0.65	68.25		

Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
1st Cross Road		2	75.00	0.15	0.65	14.63		
3rd Cross Road		4	108.00	0.15	0.65	42.12		
						1081.14		
RCC Culvert RAFT		16	7.00	1.20	0.20	26.88		
RCC Culvert WALL		32	7.00	0.23	0.60	30.91		
						57.79		
						1138.93	**7422.99**	**8454279.94**
Providing and Fixing **pre cast covering Slab 100mm thick** made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)								
Data Rate	2337.00							
	Sqm							
ForRCC DRAIN COVERING SLAB								
Judicial Layout								
8th Cross Road		2	379.00	0.90		682.20		
15th Main Road		2	140.00	0.90		252.00		
16th Main Road		1	95.00	0.90		85.50		
10th Main Road		2	559.00	0.90		1006.20		
						2025.90		
			Consider 60%			**1215.54**		
Shoulder Drain								
8th Cross Road		25	2.60	0.60		39.00		
10th Main Road		30	2.50	0.60		45.00		
						84.00		
Someshwara Nagara								
1st A Cross Road		1	165.00	0.90		148.50		
5th A Cross Road		2	60.00	0.90		108.00		
Sharadhanagara								
7th B Main Road		2	175.00	0.90		315.00		
1st Cross Road		1	75.00	0.90		67.50		
3rd Cross Road		2	108.00	0.90		194.40		
						833.40		
			Consider 50%			**416.70**		
						1716.24	**2337.00**	**4010852.88**
KSRB 5-8.2 : Providing two line dressing to granite stone slab / granite stone masonry as per specifications. KBS 5.1.13 (P.No-26, I No-5.18)								
Basic Rate	1495.00							
Area Weightage 6%	89.70							
	1584.70							
	Sqm							
Judicial Layout								
						2025.90		
Front of house			Consider 40%			810.36		
						810.36		
Someshwara Nagara								
Front of house			Consider50%			416.70		
						1227.06	**1584.70**	**1944521.98**

Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
Providing and fixing RCC **precast cover slab of 250mm thick** for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
Data Rate	5418.00							
	Sqm							
ForRCC Culvert COVERING SLAB								
		16	7.00	1.20		134.40		
						134.40	5418.00	728179.20
Providing and fixing **pre cast solid cement concrete kerb stones** made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. (I No-5.30,P No-27 of PWD BCSR 2018-19)								
Basic Rate	408.00							
Area Weightage 6%	24.48							
	432.48							
	Nos							
For KERB								
Judicial Layout								
8th Cross Road		2	379.00			758.00		
15th Main Road		2	140.00			280.00		
16th Main Road		1	95.00			95.00		
10th Main Road		2	559.00			1118.00		
Someshwara Nagara								
1st A Cross Road		1	165.00			165.00		
Sharadhanagara								
7th B Main Road		2	175.00			350.00		
1st Cross Road		1	75.00			75.00		
3rd Cross Road		2	108.00			216.00		
						3057.00		
						6793.00	432.48	2937836.64
Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No. KSRRB M800-6. (P.No.180, I.No.24.1 of PW, P&IWTD SR 2018-19)								
Basic Rate	80.00							
Area Weightage 6%	4.80							
	84.80							
	Sqm							
For KERB								
Judicial Layout								
8th Cross Road		2	380.00	0.30		228.00		
15th Main Road		2	140.00	0.30		84.00		
16th Main Road		1	95.00	0.30		28.50		
10th Main Road		2	560.00	0.30		336.00		
Someshwara Nagara								
1st A Cross Road		1	165.00	0.30		49.50		
Sharadhanagara								
7th B Main Road		2	175.00	0.30		105.00		

Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
1st Cross Road		2	75.00	0.30		45.00		
3rd Cross Road		2	108.00	0.30		64.80		
						940.80	**84.80**	**79,779.84**
KSRRB M300-14. **Excavation for roadwork** in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1km and complete as per specifications. MORTH Specification No.301 (P.No-143, I No-19.14)								
Basic Rate	41.00							
Area Weightage 6%	2.46							
8km lead	20.48							
	63.94							
	Cum							
B SECTOR								
7th B Cross Road		2	195.00	0.95	0.30	111.15		
10th B Main Road		2	75.00	0.90	0.30	40.50		
12th B Main Road		2	150.00	0.95	0.30	85.50		
Someshwara Nagar								
3rd Main Road		2	73.00	0.85	0.30	37.23		
3rd Cross Road		2	177.00	0.85	0.30	90.27		
2nd Cross Road		2	94.00	0.85	0.30	47.94		
Temple Road		2	133.00	0.85	0.30	67.83		
Someshwara Nagar Main Road		2	194.00	0.85	0.30	98.94		
4th Cross Road		2	310.00	0.90	0.30	167.40		
5th A Cross Road		2	60.00	0.85	0.30	30.60		
3rd A Main Road		2	175.00	0.90	0.30	94.50		
1st A Cross Road		2	165.00	0.90	0.30	89.10		
2nd A Cross Road		2	180.00	0.90	0.30	97.20		
4th A Cross Road		2	109.00	0.90	0.30	58.86		
3rd B Main Road		2	150.00	0.90	0.30	81.00		
1st B Cross Road		2	87.70	0.90	0.30	47.36		
Cross Road		2	59.30	0.90	0.30	32.02		
2nd B Cross Road		2	67.00	0.90	0.30	36.18		
Sharadhanagara								
7th B Main Road		2	175.00	0.90	0.30	94.50		
1st Cross Road		2	60.00	0.90	0.30	32.40		
2nd Cross Road		2	55.00	0.90	0.30	29.70		
3rd Cross Road		2	108.00	0.90	0.30	58.32		
4th Cross Road		2	65.00	0.90	0.30	35.10		
Cross Road		2	96.00	0.90	0.30	51.84		
1st Main Road		2	126.00	0.90	0.30	68.04		
5th Main Road		2	50.00	0.85	0.30	25.50		
6th Main Road		2	50.00	0.85	0.30	25.50		
7th Main Road		2	50.00	0.90	0.30	27.00		
8th Main Road		2	130.00	0.90	0.30	70.20		
6th Cross Road		2	77.00	0.90	0.30	41.58		
						1873.26	**63.94**	**119776.24**

	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
12	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.(I No-20.5,P No-153)								
	Basic Rate	1882.00							
	Area Weightage 6%	112.92							
		1994.92							
		Cum							
	B SECTOR								
	7th B Cross Road								
	10th B Main Road		2	195.00	0.95	0.15	55.58		
	12th B Main Road		2	75.00	0.90	0.15	20.25		
	Someshwara Nagar		2	150.00	0.95	0.15	42.75		
	3rd Main Road								
	3rd Cross Road		2	73.00	0.85	0.15	18.62		
	2nd Cross Road		2	177.00	0.85	0.15	45.14		
	Temple Road		2	94.00	0.85	0.15	23.97		
	Someshwara Nagar Main Road		2	133.00	0.85	0.15	33.92		
	4th Cross Road		2	194.00	0.85	0.15	49.47		
	5th A Cross Road		2	310.00	0.90	0.15	83.70		
	3rd A Main Road		2	60.00	0.85	0.15	15.30		
	1st A Cross Road		2	175.00	0.90	0.15	47.25		
	2nd A Cross Road		2	165.00	0.90	0.15	44.55		
	4th A Cross Road		2	180.00	0.90	0.15	48.60		
	3rd B Main Road		2	109.00	0.90	0.15	29.43		
	1st B Cross Road		2	150.00	0.90	0.15	40.50		
	Cross Road		2	87.70	0.90	0.15	23.68		
	2nd B Cross Road		2	59.30	0.90	0.15	16.01		
	Sharadhanagara		2	67.00	0.90	0.15	18.09		
	7th B Main Road		2	175.00	0.90	0.15	47.25		
	1st Cross Road		2	60.00	0.90	0.15	16.20		
	2nd Cross Road		2	55.00	0.90	0.15	14.85		
	3rd Cross Road		2	108.00	0.90	0.15	29.16		
	4th Cross Road		2	65.00	0.90	0.15	17.55		
	Cross Road		2	96.00	0.90	0.15	25.92		
	1st Main Road		2	126.00	0.90	0.15	34.02		
	5th Main Road		2	50.00	0.85	0.15	12.75		
	6th Main Road		2	50.00	0.85	0.15	12.75		
	7th Main Road		2	50.00	0.90	0.15	13.50		
	8th Main Road		2	130.00	0.90	0.15	35.10		
	6th Cross Road		2	77.00	0.90	0.15	20.79		
							936.63	1994.92	1868501.92
13	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications(P.No-155,I No-20.18)								
	Basic Rate	1888.00							

	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	Area Weightage 6%	113.28							
		2001.28							
		Cum							
	B SECTOR								
	7th B Cross Road								
	10th B Main Road		2	195.00	0.95	0.225	83.36		
	12th B Main Road		2	75.00	0.90	0.225	30.38		
	Someshwara Nagar		2	150.00	0.95	0.225	64.13		
	3rd Main Road								
	3rd Cross Road		2	73.00	0.85	0.225	27.92		
	2nd Cross Road		2	177.00	0.85	0.225	67.70		
	Temple Road		2	94.00	0.85	0.225	35.96		
	Someshwara Nagar Main Road		2	133.00	0.85	0.225	50.87		
	4th Cross Road		2	194.00	0.85	0.225	74.21		
	5th A Cross Road		2	310.00	0.90	0.225	125.55		
	3rd A Main Road		2	60.00	0.85	0.225	22.95		
	1st A Cross Road		2	175.00	0.90	0.225	70.88		
	2nd A Cross Road		2	165.00	0.90	0.225	66.83		
	4th A Cross Road		2	180.00	0.90	0.225	72.90		
	3rd B Main Road		2	109.00	0.90	0.225	44.15		
	1st B Cross Road		2	150.00	0.90	0.225	60.75		
	Cross Road		2	87.70	0.90	0.225	35.52		
	2nd B Cross Road		2	59.30	0.90	0.225	24.02		
	Sharadhanagara		2	67.00	0.90	0.225	27.14		
	7th B Main Road								
	1st Cross Road		2	175.00	0.90	0.225	70.88		
	2nd Cross Road		2	60.00	0.90	0.225	24.30		
	3rd Cross Road		2	55.00	0.90	0.225	22.28		
	4th Cross Road		2	108.00	0.90	0.225	43.74		
	Cross Road		2	65.00	0.90	0.225	26.33		
	1st Main Road		2	96.00	0.90	0.225	38.88		
	5th Main Road		2	126.00	0.90	0.225	51.03		
	6th Main Road		2	50.00	0.85	0.225	19.13		
	7th Main Road		2	50.00	0.85	0.225	19.13		
	8th Main Road		2	50.00	0.90	0.225	20.25		
	6th Cross Road		2	130.00	0.90	0.225	52.65		
			2	77.00	0.90	0.225	31.19		
							1404.95	2001.28	2811688.33
4	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH V revision(P.No-158,I No-21.6),								
	Basic Rate	32.00							
	Area Weightage 6%	1.92							
		33.92							
		Sqm							
	B SECTOR								
	7th B Cross Road		2	195.00	0.95		370.50		
	10th B Main Road		2	75.00	0.90		135.00		
	12th B Main Road		2	150.00	0.95		285.00		
	Someshwara Nagar								
	3rd Main Road		2	73.00	0.85		124.10		

	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	3rd Cross Road		2	177.00	0.85		300.90		
	2nd Cross Road		2	94.00	0.85		159.80		
	Temple Road		2	133.00	0.85		226.10		
	Someshwara Nagar Main Road		2	194.00	0.85		329.80		
	4th Cross Road		2	310.00	0.90		558.00		
	5th A Cross Road		2	60.00	0.85		102.00		
	3rd A Main Road		2	175.00	0.90		315.00		
	1st A Cross Road		2	165.00	0.90		297.00		
	2nd A Cross Road		2	180.00	0.90		324.00		
	4th A Cross Road		2	109.00	0.90		196.20		
	3rd B Main Road		2	150.00	0.90		270.00		
	1st B Cross Road		2	87.70	0.90		157.86		
	Cross Road		2	59.30	0.90		106.74		
	2nd B Cross Road		2	67.00	0.90		120.60		
	Sharadhanagara								
	7th B Main Road		2	175.00	0.90		315.00		
	1st Cross Road		2	60.00	0.90		108.00		
	2nd Cross Road		2	55.00	0.90		99.00		
	3rd Cross Road		2	108.00	0.90		194.40		
	4th Cross Road		2	65.00	0.90		117.00		
	Cross Road		2	96.00	0.90		172.80		
	1st Main Road		2	126.00	0.90		226.80		
	5th Main Road		2	50.00	0.85		85.00		
	6th Main Road		2	50.00	0.85		85.00		
	7th Main Road		2	50.00	0.90		90.00		
	8th Main Road		2	130.00	0.90		234.00		
	6th Cross Road		2	77.00	0.90		138.60		
							6244.20	33.92	211803.26
5	KSRRB 500-2. **Cleaning the existing black topped surface** with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM complete as per specifications. (P.No-158,I No-21.2),								
	Basic Rate	5.00							
	Area Weightage 6%	0.30							
		5.30							
		Sqm							
	B SECTOR								
	BC Area						14616.50		
	WMM Area						6244.20		
							8372.30	5.30	44,373.19
16	KSRRB M500-17. Providing and laying dense graded **bituminous macadam** using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No-160,I No-21.17.6) issue rate Dated 01-01-2021								
	Basic Rate	6880.00							
	Area Weightage 6%	412.80							
		7292.80							

Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	Cum							
B SECTOR								
7th B Cross Road								
10th B Main Road		2	195.00	0.95	0.05	18.53		
12th B Main Road		2	75.00	0.90	0.05	6.75		
Someshwara Nagar		2	150.00	0.95	0.05	14.25		
3rd Main Road								
3rd Cross Road		2	73.00	0.85	0.05	6.21		
2nd Cross Road		2	177.00	0.85	0.05	15.05		
Temple Road		2	94.00	0.85	0.05	7.99		
Someshwara Nagar Main Road		2	133.00	0.85	0.05	11.31		
4th Cross Road		2	194.00	0.85	0.05	16.49		
5th A Cross Road		2	310.00	0.90	0.05	27.90		
3rd A Main Road		2	60.00	0.85	0.05	5.10		
1st A Cross Road		2	175.00	0.90	0.05	15.75		
2nd A Cross Road		2	165.00	0.90	0.05	14.85		
4th A Cross Road		2	180.00	0.90	0.05	16.20		
3rd B Main Road		2	109.00	0.90	0.05	9.81		
1st B Cross Road		2	150.00	0.90	0.05	13.50		
Cross Road		2	87.70	0.90	0.05	7.89		
2nd B Cross Road		2	59.30	0.90	0.05	5.34		
Sharadhanagara								
7th B Main Road		2	175.00	0.90	0.05	15.75		
1st Cross Road		2	60.00	0.90	0.05	5.40		
2nd Cross Road		2	55.00	0.90	0.05	4.95		
3rd Cross Road		2	108.00	0.90	0.05	9.72		
4th Cross Road		2	65.00	0.90	0.05	5.85		
Cross Road		2	96.00	0.90	0.05	8.64		
1st Main Road		2	126.00	0.90	0.05	11.34		
5th Main Road		2	50.00	0.85	0.05	4.25		
6th Main Road		2	50.00	0.85	0.05	4.25		
7th Main Road		2	50.00	0.90	0.05	4.50		
8th Main Road		2	130.00	0.90	0.05	11.70		
6th Cross Road		2	77.00	0.90	0.05	6.93		
						312.21	**7292.80**	**2276885.09**

KSRRB 500-7. Providing and applying **tack coat** using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications (P.No-161,I No-21.7)

Basic Rate	12.00							
Area Weightage 6%	0.72							
	12.72							
	Sqm							
B SECTOR								
7th B Cross Road		1	195.00	6.00		1170.00		
10th B Main Road		1	75.00	5.90		442.50		
12th B Main Road		1	150.00	5.50		825.00		
Someshwara Nagar								
3rd Main Road		1	73.00	6.70		489.10		
3rd Cross Road		1	177.00	5.50		973.50		
2nd Cross Road		1	94.00	4.00		376.00		

Road		1	194.00	6.00		1164.00		
4th Cross Road								
5th A Cross Road		1	310.00	6.50		2015.00		
3rd A Main Road		1	60.00	5.00		300.00		
1st A Cross Road		1	175.00	6.50		1137.50		
2nd A Cross Road		1	165.00	5.90		973.50		
4th A Cross Road		1	180.00	5.80		1044.00		
3rd B Main Road		1	109.00	4.50		490.50		
1st B Cross Road		1	150.00	9.10		1365.00		
Cross Road		1	87.70	7.20		631.44		
2nd B Cross Road		1	59.30	4.50		266.85		
Sharadhanagara		1	67.00	5.70		381.90		
7th B Main Road								
1st Cross Road		1	175.00	6.80		1190.00		
2nd Cross Road		1	60.00	4.00		240.00		
3rd Cross Road		1	55.00	4.50		247.50		
4th Cross Road		1	108.00	6.00		648.00		
Cross Road		1	65.00	3.80		247.00		
1st Main Road		1	96.00	4.40		422.40		
5th Main Road		1	126.00	4.00		504.00		
6th Main Road		1	50.00	5.00		250.00		
7th Main Road		1	50.00	5.00		250.00		
8th Main Road		1	50.00	4.80		240.00		
6th Cross Road		1	130.00	5.00		650.00		
		1	77.00	6.00		462.00		
						20061.69	12.72	255184.70

Providing and laying **bituminous concrete 40mm thick** with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. using – do – using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic) (P.No.171, I.No.21.78.12) issue rate Dated 01-01-2021

Basic Rate	8061.00							
Area Weightage 6%	483.66							
	8544.66							
	Cum							
B SECTOR								
7th B Cross Road		1	195.00	6.00	0.04	46.80		
10th B Main Road		1	75.00	5.90	0.04	17.70		
12th B Main Road		1	150.00	5.50	0.03	24.75		
Someshwara Nagar								
3rd Main Road		1	73.00	6.50	0.04	18.98		
3rd Cross Road		1	177.00	5.50	0.04	38.94		
2nd Cross Road		1	94.00	4.00	0.04	15.04		
Temple Road		1	133.00	5.00	0.04	26.60		
Someshwara Nagar Main Road		1	194.00	6.00	0.04	46.56		
4th Cross Road		1	310.00	6.50	0.04	80.60		

Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
5th A Cross Road		1	60.00	5.00	0.04	12.00		
3rd A Main Road		1	175.00	6.80	0.04	47.60		
1st A Cross Road		1	165.00	5.90	0.04	38.94		
2nd A Cross Road		1	180.00	5.80	0.04	41.76		
4th A Cross Road		1	109.00	4.50	0.04	19.62		
3rd B Main Road		1	150.00	9.10	0.04	54.60		
1st B Cross Road		1	87.70	7.20	0.04	25.26		
Cross Road		1	59.30	4.50	0.04	10.67		
2nd B Cross Road		1	67.00	5.70	0.04	15.28		
Sharadhanagara								
7th B Main Road		1	175.00	6.80	0.04	47.60		
1st Cross Road		1	60.00	4.00	0.04	9.60		
2nd Cross Road		1	55.00	4.50	0.04	9.90		
3rd Cross Road		1	108.00	6.00	0.04	25.92		
4th Cross Road		1	65.00	3.80	0.04	9.88		
Cross Road		1	96.00	4.40	0.04	16.90		
1st Main Road		1	126.00	4.00	0.04	20.16		
5th Main Road		1	50.00	5.00	0.04	10.00		
6th Main Road		1	50.00	4.80	0.04	9.60		
7th Main Road		1	50.00	4.60	0.04	9.20		
8th Main Road		1	130.00	5.00	0.04	26.00		
6th Cross Road		1	77.00	6.00	0.04	18.48		
						794.93	**8544.66**	**6792437.33**
KSRRB M800-13.**Road Marking** with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803(P.No-182,I No-24.15)								
Basic Rate	429.00							
Area Weightage 6%	25.74							
	454.74							
	Sqm							
B SECTOR								
7th B Cross Road		2	195.00	0.10		39.00		
10th B Main Road		2	75.00	0.10		15.00		
12th B Main Road		2	150.00	0.10		30.00		
Someshwara Nagar								
3rd Main Road		2	73.00	0.10		14.60		
3rd Cross Road		2	177.00	0.10		35.40		
2nd Cross Road		2	94.00	0.10		18.80		
Temple Road		2	133.00	0.10		26.60		
Someshwara Nagar Main Road		2	194.00	0.10		38.80		
4th Cross Road		2	310.00	0.10		62.00		
5th A Cross Road		2	60.00	0.10		12.00		
3rd A Main Road		2	175.00	0.10		35.00		
1st A Cross Road		2	165.00	0.10		33.00		
2nd A Cross Road		2	180.00	0.10		36.00		
4th A Cross Road		2	109.00	0.10		21.80		
3rd B Main Road		2	150.00	0.10		30.00		
1st B Cross Road		2	87.70	0.10		17.54		

Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
Cross Road								
2nd B Cross Road		2	59.30	0.10		11.86		
Sharadhanagara		2	67.00	0.10		13.40		
7th B Main Road								
1st Cross Road		2	175.00	0.10		35.00		
2nd Cross Road		2	60.00	0.10		12.00		
3rd Cross Road		2	55.00	0.10		11.00		
4th Cross Road		2	108.00	0.10		21.60		
Cross Road		2	65.00	0.10		13.00		
1st Main Road		2	96.00	0.10		19.20		
5th Main Road		2	126.00	0.10		25.20		
6th Main Road		2	50.00	0.10		10.00		
7th Main Road		2	50.00	0.10		10.00		
8th Main Road		2	50.00	0.10		10.00		
6th Cross Road		2	130.00	0.10		26.00		
		2	77.00	0.10		15.40		
						699.20	**454.74**	**317954.21**
KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of Mix 1:2:4 with OPC @ 240kgs,** with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No-13,I No-4.6)								
Basic rate	5422.00							
6% AW	325.32							
Sub Total	5747.32							
Tree Guards	Cum							
For P.C.C								
8th Cross Road		25	5.50	0.20	0.15	20.63		
10th Main Road		30	5.50	0.20	0.15	24.75		
Shoulder Drain Bed								
8th Cross Road		22	2.60	0.60	0.15	8.58		
10th Main Road		30	2.50	0.60	0.15	11.25		
Shoulder Drain								
8th Cross Road		22	5.20	0.20	0.08	9.15		
10th Main Road		30	5.00	0.20	0.08	12.00		
						86.36	**5747.32**	**496321.31**
KSRB 5-14 : Providing and constructing load bearing wall **with solid concrete blocks** of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 I.No.5.26.2, Page no 27								
Basic rate	924.00	962						
Area Weightage 6%	55.44							
Total	**979.44**							
	Sqm							
Yelahanka 4th Phase								
Tree Guards								
8th Cross Road		25	5.50		0.20	27.50		
10th Main Road		30	5.50		0.20	33.00		
Shoulder Drain								
8th Cross Road		22	5.20		0.20	22.88		

Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
0th Main Road								
		30	5.00		0.20	30.00		
						113.38	**979.44**	**111048.91**

SRB 14.6 : Providing and laying **heavy duty cobble stones** interlock pavers, 60mm thick using cement nd course sand for manufacture of blocks of approved size, shape and colour with a minimum ompressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and ompacting with plate vibrator having 3 tons compaction force thereby forcing part of sand nderneath to come up in between joints, final compaction of paver surface joints into its final level, ncluding cost of materials, labour and HOM complete as per specifications. Specification No. KBS (P.No-03,I No-14.6 of PWD BCSR 2018-19), 60mm thick

Basic Rate	1053.00							
Area Weightage 6%	63.18							
	1116.18							
	Sqm							
or Footpath								
udicial Layout								
th Cross Road		2	380.00	2.10		1596.00		
0th Main Road		2	559.00	2.00		2236.00		
)educt Tree Guards								
or P.C.C								
th Cross Road		-25	1.00	1.00		-25.00		
0th Main Road		-30	1.00	1.00		-30.00		
houlder Drain								
th Cross Road		-22	2.60	0.60		-34.32		
0th Main Road		-30	2.50	0.60		-45.00		
						3697.68	**1116.18**	**4127276.46**

upply and fixing of **Retro Reflective Single Arrow Road NameSignboard** of size 1600mm x 900mm nade out of retro reflective sheeting conforming to Type XI standards of ASTM D 4956 - 09 & as per RC 67-2012 for full back ground of blue colour & white letters and fixed over 4 mm thick Aluminium Composite Material sheet having minimum 0.5 mm thick Aluminium skin on both sides with back side ainted grey colour and fixed over back support frame SS angle of 15mm x 20mm x 1.2mm, supported y 38mm OD stainless steel pipe all round in 304 grade and 2 nos of vertical posts of 50 mm OD tainless steel pipe of 202 grade firmly fixed to the ground by means of properly designed foundation f size 450mm x 450mm x 600mm in 1:1.5:3 ratio cement concrete. The background shall be blue in olor with letters and border in white,the item includes earthwork excavation, cost of all materials, oading,unloading, lead, lift, transportation etc., complete. as per direction of engineer incharge of vork clause 6.9 of IRC 67-2012 for Type XI retro reflective sheeting from the sheeting manufacturer & a ertified copy of test reports from an independent test laboratory conforming to clause 6.7 of IRC 67-012 including outdoor weather exposure report for the retro reflective sheeting offered shall be ubmitted by the contractor for technical qualification in the tender (~~P.No-103,I-No-24.59~~ of PWD BCSR 018-19),

P-190, I-No-24-59

Basic rate	13297.00							
Area Weightage 6%	797.82							
Total	**14094.82**							
	Sqm							
		6	1.60	0.90		8.64		
						8.64	**14094.82**	**121779.24**
							Total Construction Cost	**50259562.20**
							Towards GST 12%	**6031147.46**
							Towards Tender Premium 5%	**2512978.11**

Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
							DPR & PMC Charges 2%	1195400.00
							Sub Total	59999087.78
							Miscellaneous & Rounding Off	912.22
							Total	60000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019, issue rates dated 01-01-2021 and Data Rates

Assistant Engineer
Ward 04
BBMP Bangalore

Asst. Executive Engineer
Yelahanka New Town Sub Division
BBMP Bangalore

Executive Engineer
Yelahanka Division
BBMP Bangalore

Technical Sanction
Account : RS600 to Balchendy
Head of A/C : P 3075
CER No : 04 Dt: 15.04.2021

TA

CE (YNK)

Administrative Sanction for Rs. 600.00 lakhs
Six crores only
is accorded under head P-3075
Special comprehensive development works
Registered as CE No. ..... Subject to conditions contained in enclosed memo
No BBMP/EE/YNK/AS/04/2021-22 Dt 06.8.2021

Executive Engineer